IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: YOUNG et al.

Application Serial No.: Not assigned

Group Art Unit: Not assigned

Filed: Concurrently Herewith

Examiner: Not assigned

Title: Secreted Protein HEMAE80

Atty. Docket No. PZ007G62YP1D1

#13/05X

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 § CFR 1.56

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Attorneys for Applicants hereby direct the Examiner's attention to references AA-AY listed on the attached Form PTO/SB/08A. A copy of each of reference(s) AA-AY is enclosed.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be considered during the prosecution of this application.

Identification of the listed reference(s) is not to be construed as an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documerts should they be applied as references against the claims of the subject application.

Applicants respectfully request that the Examiner review the listed reference(s) and that the reference(s) be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine otherwise, please charge the required fee to Human Genome Sciences, Inc., deposit account no. 08-3425.

Respectfully submitted,

Dated: DECEMBER 7. 2001

Janet M. Martinean

(Reg. No. 46,903)

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850 Telephone: (301) 315-2723

Enclosures JMM/SA/rmr

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute f	for form 1449/PTO			Complete if Known		
IN	FORMATION I	DISCLO	SURE	Application Number	Not assigned	\Box
	ATEMENT BY			Filing Date	Herewith	
31	ALEMENTE	AFFLI	CAN	First Named Inventor	YOUNG et al.	
				Group Art Unit	Not assigned	
<u> </u>	(use as many sheets	as necessa	ary)	Examiner Name	Not assigned	
Sheet	1	Of	5	Attorney Docket Number	PZ007G62YP1D1	

				U.S. PATENT DOCUMENTS			
Examiner	Cite	U.S. Patent I	Document	Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant	
Initials		No.	Number	Kind Code ² (if known	of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear

					FOREIGN PATENT DOCUMEN	FTS		
Examiner Initials	Cite No. 1	For Office ³	eign Patent I Number ⁴	Document Kind C (if kno		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	AA	PCT	WO 00/	56889	Desnoyers et al.	09/28/2000		L
	AB	PCT	WO 00/	63382	Liu et al.	10/26/2000		T
	AC	PCT	WO 98/	54963	Young et al.	12/10/1998		L
								T

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Γ_{e}
	AD	LIU, et al., Molecular Cloning and Chromosomal Mapping of a Candidate Cytokine Gene Selectively Expressed in Human CD34 Cells, <i>Genomics</i> , 65:283-292 (2000).	\prod
	AE	LIU et al., GenBank Accession No. AF193766, (06/28/2000).	H
		YU et al., GenBank Accession No. AF274956, (02/13/2001).	П
	AG	MYERS et al., GenBank Accession No. G28039, (06/29/1996).	
	AH	BONALDO et al., GenBank Accession No. BF471947, (12/04/2000).	

Examiner	Date	
Signature	Considered	l

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →	+	ı
---	---	---

PTO/SB/08 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute f	for form 1449/PTO			Complete if Known		
IN	FORMATION DI	SCL	OSURE	Application Number	Not assigned	
1	ATEMENT BY A			Filing Date	Herewith	
31	ALEMENIBIA	MIL.	ICANI	First Named Inventor	YOUNG et al.	
			_	Group Art Unit	Not assigned	
	(use as many sheets as	s neces	sary)	Examiner Name	Not assigned	
Sheet	2	of	5	Attorney Docket Number	PZ007G62YP1D1	

	U.S. PATENT DOCUMENTS								
Examiner Initials	Cite	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant			
	No. 1	Number	Kind Code ² (if known)	of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials	No. 1	For	reign Patent D		Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	T		
		No. 1	Office ³	Number ⁴	Kind Code ⁵ (if known)		MM-DD-YYYY	Passages or Relevant Figures Appear	r	
		<u> </u>	ļ					Ļ		
		<u> </u>	<u> </u>					╀		
		}	 					t		

	_	OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т6
	ΑI	HILLIER et al., GenBank Accession No. H57113 (10/05/1995).	
	AJ	HILLIER et al., GenBank Accession No. H61567 (10/06/1995).	
	AK	HILLIER et al., GenBank Accession No. T90634 (03/20/1995).	
	AL	HILLIER et al., GenBank Accession No. T83161 (03/16/1995).	
	AM	NCI-CGAP, GenBank Accession No. AI589742 (05/14/1999).	

Examiner	Date	
Signature	Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute fo	or form 1449/PTO			Complete if Known			
INI	FORMATION I	DISCLOS	SURE	Application Number	Not assigned		
e _T	ATEMENT BY	ADDI IC	TANT	Filing Date	Herewith		
31	AIEMENIDI	AffLic	AUI	First Named Inventor	YOUNG et al.		
j				Group Art Unit	Not assigned		
	(use as many sheets	s as necessa	ry)	Examiner Name	Not assigned		
Sheet	3	of	5	Attorney Docket Number	PZ007G62YP1D1		

				U.S. PATENT DOCUMENTS		
Examiner Initials		U.S. Patent I	Document	N CD	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines,
	Cite No. 1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document		Where Relevant Passages or Relevant Figures Appear

				F	OREIGN PATENT DOCUMEN	TS	
Examiner	Cite	Fo	reign Patent D	Ocument	Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant
	No. 1	Office ³	Number ⁴	Kind Code ⁵ (if known)	of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
		ļ			<u> </u>		
1		{	1	ĺ		[

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т
	AN	NCI-CGAP, GenBank Accession No. AI206655, (10/16/1998).	T
	AO	HILLIER et al., GenBank Accession No. T71556, (03/15/1995).	
	AP	HILLIER et al., GenBank Accession No. T82005, (03/15/1995).	
	AQ	NCI-CGAP, GenBank Accession No. AA897786, (04/07/1998).	m I
	AR	HILLIER et al., GenBank Accession No. AA448648, (06/04/1997).	\perp
			T
			Т

Examiner	Date	
Signature	Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute f	for form 1449/PTO			Complete if Known			
IN	FORMATION DI	SCL	OSURE	Application Number	Not assigned		
СТ	ATEMENT BY A	DDI	ICANT	Filing Date	Herewith		
31	ALEMENT BI		CANI	First Named Inventor	YOUNG et al.		
				Group Art Unit	Not assigned		
	(use as many sheets a	s neces	sary)	Examiner Name	Not assigned		
Sheet	4	of	5	Attorney Docket Number	PZ007G62YP1D1		

				U.S. PATENT DOCUMENTS		
Examiner Initials	Cita	U.S. Patent I	Document	Name of Detentes on Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Cite No.	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	

				I	OREIGN PATENT DOCUMEN	TS	
Examiner Initials	Cite No. 1	Fo	reign Patent D	Ocument Kind Code	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Office ³	Number⁴	(if known		MM-DD-YYYY	Figures Appear
		 	 			 	
		 	 			 	
		!	†			 	

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r
	AS	HILLIER et al., GenBank Accession No. AA448744, (06/04/1997).	Т
	AT	HILLIER et al., GenBank Accession No. AA701618, (12/19/1997).	\top
	AU	HILLIER et al., GenBank Accession No. AA460463, (06/09/1997).	Т
	AV	HILLIER et al., GenBank Accession No. AA461037, (06/09/1997).	T
	AW	HILLIER et al., GenBank Accession No. AA233071, (08/06/1997).	T

Examiner		 		 Date		
Signature				Considered	ļ	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

, . . .

- 1	\neg	
	+	
- 1		

PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute f	For form 1449/PTO			Complete if Known			
IN	FORMATION DI	SCL	OSURE	Application Number	Not assigned		
ГЭ	ATEMENT BY A	DDI	ICANT	Filing Date	Herewith		
1 31	ALEMENT DI A		CAN	First Named Inventor	YOUNG et al.		
ł				Group Art Unit	Not assigned		
L	(use as many sheets a	s neces	sary)	Examiner Name	Not assigned		
Sheet	Sheet 5 Of 5			Attorney Docket Number	PZ007G62YP1D1		

				U.S. PATENT DOCUMENTS		
Examiner Initials	Cite	U.S. Patent I	Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	No.	Number	Kind Code ² (if known)			
ŀ	ł		}			

	FOREIGN PATENT DOCUMENTS												
Examiner Initials	Cite No. 1	Foreign Patent Document Kind Code ⁵			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant						
		Office ³	Number⁴	(if known)		MM-DD-YYYY	Figures Appear	Τ°					
		ļ	<u> </u>		•			Ш					
			ļ			<u> </u>	<u> </u>	\bot					
			<u> </u>			<u> </u>	ļ	$\bot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$					
		[İ				1						

[OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS									
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	176							
	AX	HILLIER et al., GenBank Accession No. H60996, (10/06/1995).								
	AY	DODSWORTH et al., GenBank Accession No. Z59544, (10/19/1995).								
			- -							

Examiner	Date	
Signature	Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.